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PCT

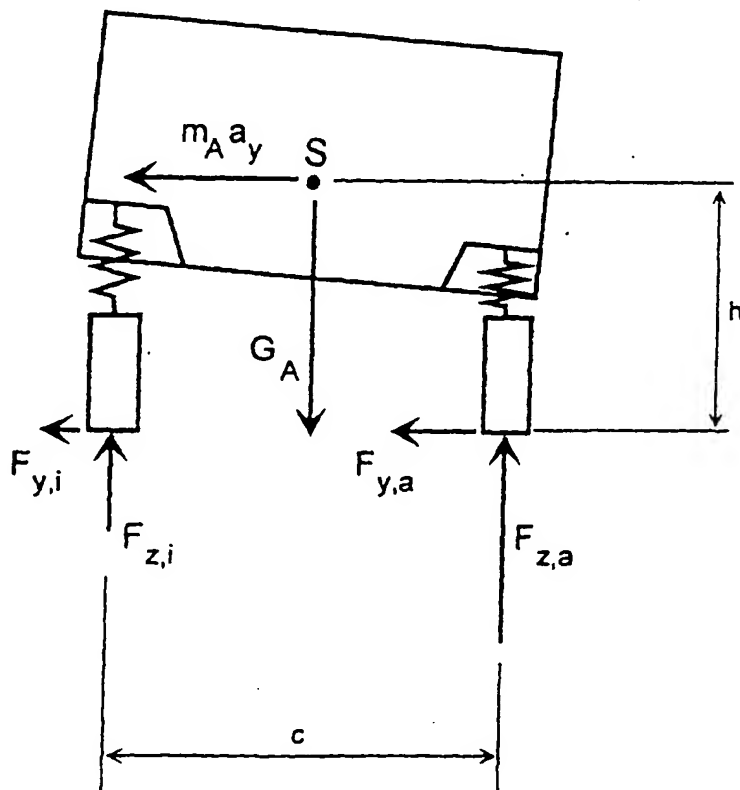
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WO 01/12483 A1

- (51) Internationale Patentklassifikation⁷: B60T 8/00 (DE/DE); Guerickestrasse 7. D-60488 Frankfurt am Main (DE).
- (21) Internationales Aktenzeichen: PCT/EP00/07772
- (22) Internationales Anmeldedatum: 10. August 2000 (10.08.2000) (72) Erfinder; und (75) Erfinder/Anmelder (nur für US): LATARNIK, Michael [DE/DE]; c/o Latarnik, Christine, Römerstrasse 7, D-61381 Friedrichsdorf (DE). LÜDERS, Ulrich [DE/DE]; Lerchenstr. 3, D-31303 Burgdorf (DE). ROLL, Georg [DE/DE]; Hegelstrasse 2, D-63150 Heusenstamm (DE). RASTE, Thomas [DE/DE]; Weisskirchener Str. 15a, D-61440 Oberursel (DE). OEHLER, Rainer [DE/DE]; Finkenweg 48, D-64295 Darmstadt (DE). IZSAK, Karl [DE/DE]; Messkircher Strasse 53, D-68239 Mannheim (DE).
- (25) Einreichungssprache: Deutsch
- (26) Veröffentlichungssprache: Deutsch
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[Fortsetzung auf der nächsten Seite]

(54) Title: METHOD AND DEVICE FOR MEASURING STATUS VARIABLES OF A VEHICLE.

(54) Bezeichnung: FERFAHREN UND VORRICHTUNG ZUM BESTIMMEN VON FAHRZEUGZUSTANDSGRÖßEN



[Fortsetzung auf der nächsten Seite]

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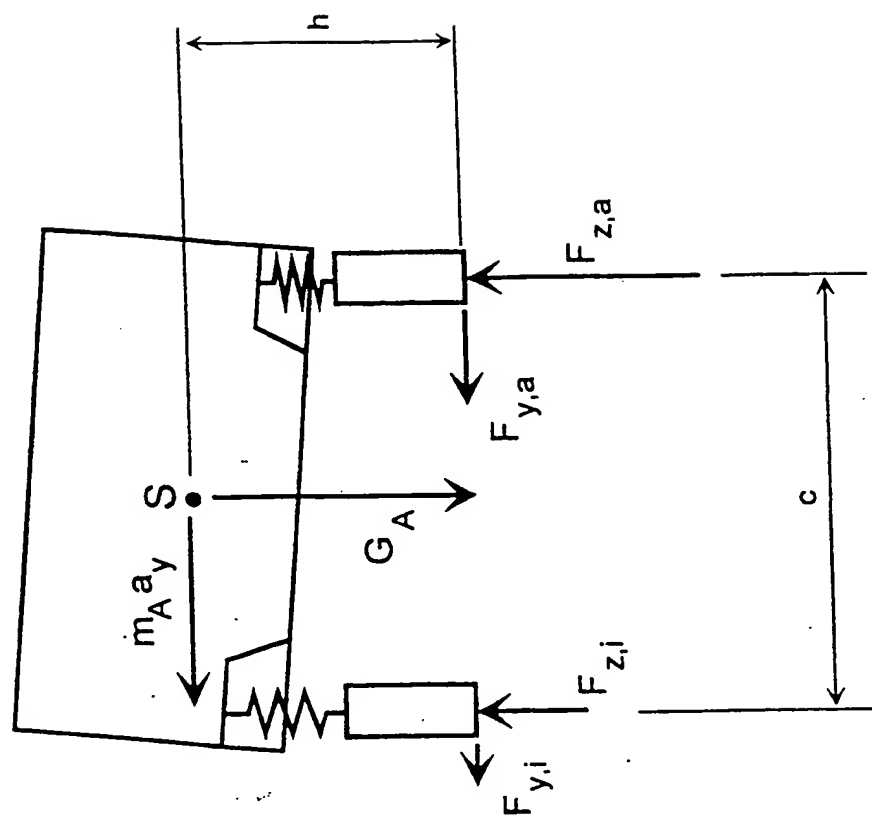


Fig. 1

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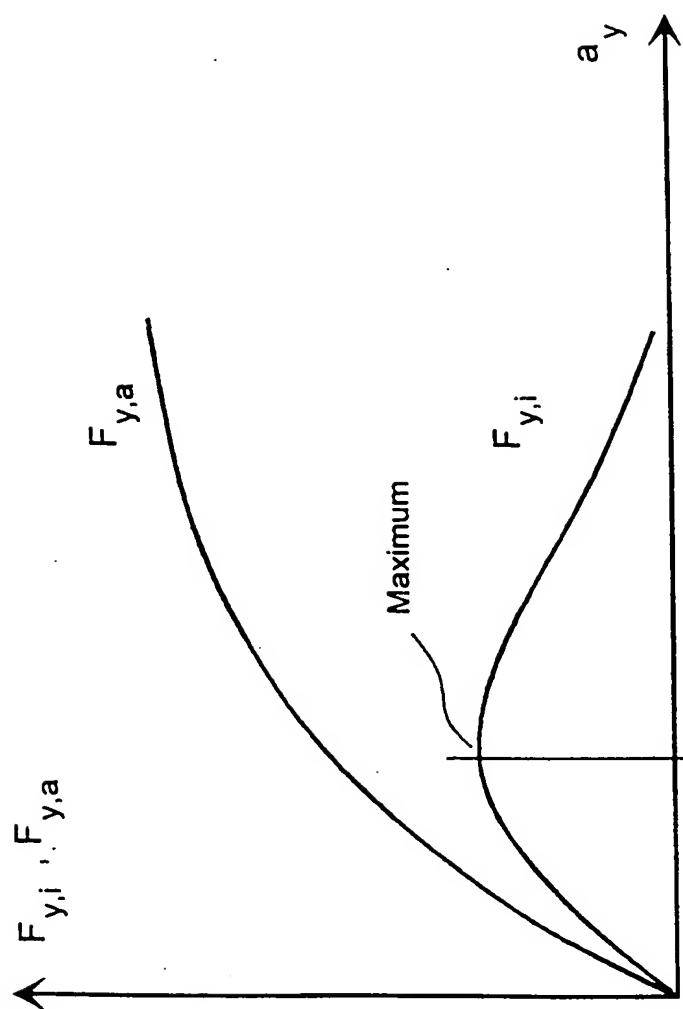


Fig. 2

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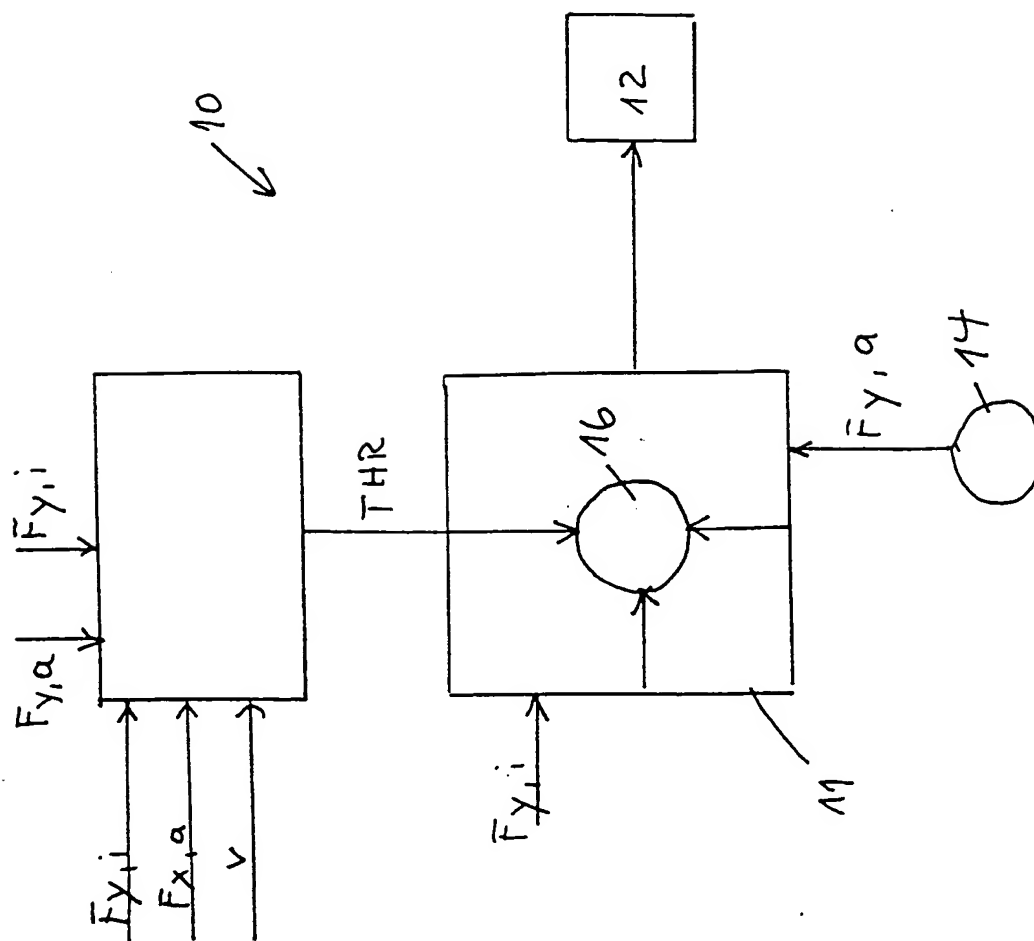


Fig. 3

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Title: **WO0112483A1: METHOD AND DEVICE FOR MEASURING STATUS V
OF A VEHICLE.** [\[German\]](#) [\[French\]](#)

Country: **WO** World Intellectual Property Organization (WIPO)

Kind: **A1** Publ. of the Int. Appl. with Int. search report

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Application **WO2000EP0007772**

Number:

IPC Code: **B60T 8/00**;

ECLA Code: **B60T8/00B10H**;

Priority Number: 1999-08-13 **DE1999019937856**
 2000-08-07 **DE2000010039108**

Abstract:

The invention relates to a method and a device for measuring status variables of vehicles, whereby at least one parameter indicating the tendency of a vehicle to tilt around its longitudinal axis is measured and evaluated to detect the control or regulating parameters of the regulating system of a vehicle. In order to react as quickly as possible to the danger of vehicle tilting by conducting a regulating operation, at least one parameter indicating the tilting tendency of the vehicle is measured by continuously detecting said measuring variable in at least one degree of the vehicle on the inner and outer curve based on the measuring variable detected with the aid of wheel or wheel force sensors and which reflect the lateral force exerted on the tire or wheel and/or the contact force exerted on the tire or wheel. The direct forces exerted on the tire or wheels or the parameters derived therefrom and/or the signals formed by the correction variables or values such as filtered parameters are used as control or regulating parameters. [\[German\]](#) [\[French\]](#)



Attorney, Agent or Firm: **CONTINENTAL TEVES AG & CO. OHG** ; Guerickestrasse 7, D-60488 Frankfurt am Main Germany

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Legal Status:

Designated Country: AU BR JP KR US ZA, **European patent:** AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Family: [Show 6 known family members](#)

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±

First Claim: [Show all claims](#)

1. Verfahren zum Bestimmen von Fahrzeugzustandsgrößen, bei dem wenigstens eine, für die Fahrzeugkipptendenz um die Fahrzeuglängsachse indikative Größe gemessen und zum Ermitteln von Steuer- oder Regelgrößen eines Kraftfahrzeug-Regelungssystems ausgewertet wird dadurch gekennzeichnet, daß auf Basis der Meßgröße, die mit Hilfe von Reifenoder Radkraftsensoren ermittelt wurde und die die Reifenoder Radseitenkräfte und/oder die Reifen- oder Radaufstandskräfte wiedergibt, mindestens eine für die Fahrzeugkipptendenz indikative Kenngröße(n) durch laufendes Erfassen dieser Meßgröße an mindestens einem kurveninneren und -äußeren Fahrzeugrad ermittelt wird und die ermittelten direkten Reifen- oder Radkräfte selbst oder daraus abgeleitete Größen, wie gefilterte Größen und/oder unter Einbeziehung von Korrekturgrößen oder werten gebildete Signale als Steuer- oder Regelgrößen verwendet werden.

†

Other Abstract Info: DERABS G2001-168850 DERABS G2001-168850



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WO0112483A1 Family Legal Status Report - 6 members found

Codes shown: All | Positive | Negative

Jump	Publication	Title	Filed	AppNo
<u>Status</u>	WO0112483C1	METHOD AND DEVICE FOR MEASURING STATUS VARIABLES OF A VEHICLE.	2000-08-10	WO2000WO0007772
<u>Status</u>	WO0112483B8	METHOD AND DEVICE FOR MEASURING STATUS VARIABLES OF A VEHICLE.	2000-08-10	WO2000WO0007772
<u>Status</u>	WO0112483A1	METHOD AND DEVICE FOR MEASURING STATUS VARIABLES OF A VEHICLE.	2000-08-10	WO2000EP0007772
<u>Status</u>	EP1311416A1	METHOD AND DEVICE FOR MEASURING STATUS VARIABLES OF A VEHICLE.	2000-08-10	EP2000000956417
<u>Status</u>	DE10039108A1	Verfahren und Vorrichtung zum Bestimmen von Fahrzeugzustandsgrößen	2000-08-07	DE2000010039108
	AU0068368A5	METHOD AND DEVICE FOR MEASURING STATUS VARIABLES OF A VEHICLE.	2000-08-10	AU2000000068368

WO0112483C1:

Gazette date	Code	Description (remarks) List all possible codes for WO
2001-10-04	AK +	Designated states (AU BR JP KR US ZA) (B8)
2001-10-04	AL +	Designated countries for regional patents (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) (B8)
2001-10-04	B8	Second modification of the first page
2001-10-04	CFP	Corrected version of a pamphlet front page
2001-10-04	CR1	Correction of entry in section i
2001-08-16	DFPE	Request for preliminary examination filed prior to expiration of 19th month from priority date
2001-07-12	AK +	Designated states (AU BR JP KR US ZA) (C1)
2001-07-12	AL +	Designated countries for regional patents (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) (C1)
2001-07-12	C1	Modified first page
2001-07-12	CFP	Corrected version of a pamphlet front page
2001-07-12	CR1	Correction of entry in section i (Pat. Bul. 08/2001 under (30) add "19937856.8, 13.08.99, DE"; priority claim not previously included due to errors by the receiving Office and the international Bureau)
2001-04-18	121	EP: the epo has been informed by wipo that ep was designated in this application
2001-02-22	A1 +	Publication of the international application with the international search report
2001-02-22	AK +	Designated states cited in a published application with search report (AU BR JP KR US ZA)
2001-02-22	AL +	Designated countries for regional patents cited in a published application with search report (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE)
2000-08-10	AE	Application data (WO 2000EP 200007772 2000-08-10)
2000-08-07	AA	Priority (patent) (DE 2000 10039108 2000-08-07)
1999-08-13	AA	Priority (patent) (DE 1999 19937856 1999-08-13)
1999-08-13	AA	Priority (patent) (DE 1999 19937856 1999-08-13)

WO0112483B8:

<u>Gazette date</u>	<u>Code</u>	<u>Description (remarks)</u> <small>List all possible codes for WO</small>
2001-10-04	AK +	Designated states (AU BR JP KR US ZA) (B8)
2001-10-04	AL +	Designated countries for regional patents (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) (B8)
2001-10-04	B8	Second modification of the first page
2001-10-04	CFP	Corrected version of a pamphlet front page
2001-10-04	CR1	Correction of entry in section i
2001-08-16	DFPE	Request for preliminary examination filed prior to expiration of 19th month from priority date
2001-07-12	AK +	Designated states (AU BR JP KR US ZA) (C1)
2001-07-12	AL +	Designated countries for regional patents (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) (C1)
2001-07-12	C1	Modified first page
2001-07-12	CFP	Corrected version of a pamphlet front page
2001-07-12	CR1	Correction of entry in section i (Pat. Bul. 08/2001 under (30) add "19937856.8, 13.08.99, DE"; priority claim not previously included due to errors by the receiving Office and the international Bureau)
2001-04-18	121	EP: the epo has been informed by wipo that ep was designated in this application
2001-02-22	A1 +	Publication of the international application with the international search report
2001-02-22	AK +	Designated states cited in a published application with search report (AU BR JP KR US ZA)
2001-02-22	AL +	Designated countries for regional patents cited in a published application with search report (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE)
2000-08-10	AE	Application data (WO 2000EP 200007772 2000-08-10)
2000-08-07	AA	Priority (patent) (DE 2000 10039108 2000-08-07)
1999-08-13	AA	Priority (patent) (DE 1999 19937856 1999-08-13)
1999-08-13	AA	Priority (patent) (DE 1999 19937856 1999-08-13)

WO0112483A1:

<u>Gazette date</u>	<u>Code</u>	<u>Description (remarks)</u> <small>List all possible codes for WO</small>
2001-10-04	AK +	Designated states (AU BR JP KR US ZA) (B8)
2001-10-04	AL +	Designated countries for regional patents (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) (B8)
2001-10-04	B8	Second modification of the first page
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2001-10-04	CR1	Correction of entry in section i
2001-08-16	DFPE	Request for preliminary examination filed prior to expiration of 19th month from priority date
2001-07-12	AK +	Designated states (AU BR JP KR US ZA) (C1)
2001-07-12	AL +	Designated countries for regional patents (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) (C1)
2001-07-12	C1	Modified first page
2001-07-12	CFP	Corrected version of a pamphlet front page
2001-07-12	CR1	Correction of entry in section i (Pat. Bul. 08/2001 under (30) add "19937856.8, 13.08.99, DE"; priority claim not previously included due to errors by the receiving Office and the international Bureau)
		EP: the epo has been informed by wipo that ep was

2001-04-18	121	designated in this application
2001-02-22	A1 +	Publication of the international application with the international search report
2001-02-22	AK +	Designated states cited in a published application with search report (AU BR JP KR US ZA)
2001-02-22	AL +	Designated countries for regional patents cited in a published application with search report (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE)
2000-08-10	AE	Application data (WO 2000EP 200007772 2000-08-10)
2000-08-07	AA	Priority (patent) (DE 2000 10039108 2000-08-07)
1999-08-13	AA	Priority (patent) (DE 1999 19937856 1999-08-13)
1999-08-13	AA	Priority (patent) (DE 1999 19937856 1999-08-13)

EP1311416A1:

<u>Gazette date</u>	<u>Code</u>	<u>Description (remarks)</u> List all possible codes for EP
2003-08-20	18W -	Withdrawn (20030625)
2003-05-21	17P +	Request for examination filed (20020313)
2003-05-21	A1 +	Publication of application with search report
2003-05-21	AK +	Designated contracting states in an application with search report: (DE FR IT)
2000-08-10	AA	PCT-application (WO 2000EP 200007772 2000-08-10)
2000-08-10	AE	EP-application (EP 2000 00956417 2000-08-10)
2000-08-07	AA	Priority (patent application) (DE 2000 10039108 2000-08-07)
1999-08-13	AA	Priority (patent application) (DE 1999 19937856 1999-08-13)

DE10039108A1:

<u>Gazette date</u>	<u>Code</u>	<u>Description (remarks)</u> List all possible codes for DE
2001-07-19	A1 +	Laying open for public inspection
2001-07-19	OM8 +	Search report available as to paragraph 43 lit. 1 sentence 1 patent law
2000-08-07	AE	Domestic application (patent application) (DE 2000 10039108 2000-08-07)
1999-08-13	AA	Domestic priority (DE 1999 19937856 1999-08-13)

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